



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 16th Feb 2022

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यकारी निदेशक, ऊ.क्षे.भा.प्रे.के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली – 110016
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई –400093
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह , लापलंग, शिलोंग – 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक , द.क्षे.भा.प्रे.के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु –560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 15.02.2022.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-फरवरी-2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर उपलब्ध है ।

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 15th February 2022, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 16-Feb-2022

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs)	52340	57168	43008	20456	2637	175609
Peak Shortage (MW)	250	0	0	359	0	609
Energy Met (MU)	1049	1346	1072	408	47	3922
Hydro Gen (MU)	108	43	100	26	8	286
Wind Gen (MU)	7	45	38	-	-	91
Solar Gen (MU)*	86.44	43.27	101.04	5.26	0.47	236
Energy Shortage (MU)	4.60	0.00	8.38	5.53	0.00	18.51
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53418	64612	53368	20504	2664	188778
Time Of Maximum Demand Met (From NLDC SCADA)	18:50	10:50	10:28	18:52	19:09	10:50

B. Frequency Profile (%)

Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.043	0.00	0.86	9.14	10.00	79.25	10.75

C. Power Supply Position in States

Region	States	Max.Demand Met during the day(MW)	Shortage during maximum Demand(MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
NR	Punjab	6770	0	126.3	39.6	-0.5	127	0.00
	Haryana	6673	0	130.4	76.2	1.0	228	0.00
	Rajasthan	15432	0	280.0	89.3	3.0	486	0.00
	Delhi	3917	0	65.4	54.4	-1.3	212	0.00
	UP	18104	0	312.3	90.2	0.8	723	0.00
	Uttarakhand	2154	0	37.9	26.7	1.1	224	0.00
	HP	1903	0	33.2	25.0	0.2	266	0.00
	J&K(UT) & Ladakh(UT)	2902	250	59.8	54.6	-0.3	193	4.60
WR	Chandigarh	222	0	3.4	3.7	-0.3	28	0.00
	Chhattisgarh	4456	0	95.4	34.5	-1.0	164	0.00
	Gujarat	16664	0	363.1	213.8	3.4	787	0.00
	MP	14817	0	293.1	178.7	-1.8	401	0.00
	Maharashtra	25920	0	535.5	152.1	-3.8	641	0.00
	Goa	588	0	12.1	11.3	0.5	29	0.00
	DD	332	0	7.5	7.3	0.2	43	0.00
	DNH	853	0	19.7	19.6	0.1	57	0.00
SR	AMNSIL	925	0	19.5	4.5	-0.9	183	0.00
	Andhra Pradesh	10628	1500	189.7	63.9	3.2	1708	8.38
	Telangana	12027	0	220.7	104.1	0.7	852	0.00
	Karnataka	14142	0	255.8	101.4	-0.8	693	0.00
	Kerala	4016	0	81.0	58.1	-0.4	203	0.00
	Tamil Nadu	15158	0	317.7	187.0	-0.2	468	0.00
	Puducherry	358	0	7.4	7.8	-0.5	32	0.00
	ER	Bihar	4876	0	80.9	68.3	0.3	356
DVC		3263	0	68.1	-41.2	-2.7	215	0.00
Jharkhand		1476	296	28.7	18.3	0.9	175	3.76
Odisha		5794	0	108.2	43.3	0.6	685	0.00
West Bengal		6384	0	120.6	-5.2	-0.8	401	0.00
Sikkim		115	0	1.7	2.0	-0.3	11	0.00
NER	Arunachal Pradesh	159	0	2.6	2.7	-0.2	30	0.00
	Assam	1477	0	25.5	18.5	0.2	121	0.00
	Manipur	237	0	3.5	3.5	0.0	17	0.00
	Meghalaya	409	0	7.1	6.1	0.1	73	0.00
	Mizoram	128	0	2.1	2.0	-0.2	11	0.00
	Nagaland	155	0	2.6	2.2	0.3	21	0.00
	Tripura	230	0	3.6	2.4	-0.3	24	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual (MU)	-2.7	-11.1	-19.9
Day Peak (MW)	-240.0	-591.4	-855.0

E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	172.5	-129.7	120.8	-164.5	1.0	0.0
Actual(MU)	150.6	-123.1	139.8	-168.2	-1.4	-2.2
OD/UD(MU)	-21.8	6.6	19.0	-3.6	-2.4	-2.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5836	13180	5832	2266	424	27537	41
State Sector	10994	15398	9223	3760	11	39386	59
Total	16830	28577	15055	6026	435	66923	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	617	1315	559	589	14	3095	77
Lignite	24	14	44	0	0	82	2
Hvdro	108	43	100	26	8	286	7
Nuclear	33	21	67	0	0	121	3
Gas, Naptha & Diesel	12	15	9	0	30	67	2
RES (Wind, Solar, Biomass & Others)	122	90	169	5	0	387	10
Total	916	1499	950	621	53	4038	100

Share of RES in total generation (%)	13.31	6.01	17.81	0.85	0.89	9.58
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.73	10.27	35.44	5.06	16.44	19.65

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.031
Based on State Max Demands	1.079

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve)/Export =(-ve) for NET (MU)

Date of Reporting: 16-Feb-2022

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
Import/Export of ER (With NR)									
1	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	-	4	0	0.0	0.0	0.0	
3	765 kV	GAYA-VARANASI	2	0	825	0.0	12.3	-12.3	
4	765 kV	SASARAM-FATEHPUR	1	0	576	0.0	10.7	-10.7	
5	765 kV	GAYA-BALIA	1	0	645	0.0	10.0	-10.0	
6	400 kV	PUSAULI-VARANASI	1	29	127	0.0	1.5	-1.5	
7	400 kV	PUSAULI-ALLAHABAD	1	0	231	0.0	1.7	-1.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	705	0.0	7.1	-7.1	
9	400 kV	PATNA-BALIA	4	0	1595	0.0	26.4	-26.4	
10	400 kV	BIHARSHARIF-BALIA	2	17	665	0.0	9.0	-9.0	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	584	0.0	7.8	-7.8	
12	400 kV	BIHARSHARIF-VARANASI	2	0	413	0.0	6.8	-6.8	
13	220 kV	SAHPURI-KARMANASA	1	5	125	0.0	1.5	-1.5	
14	132 kV	SONENAGAR-RIHAND	1	0	125	0.0	0.1	0.1	
15	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4	
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAUULI	1	0	23	0.2	0.0	0.2	
						ER-NR	0.7	94.9	-94.2
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	402	758	0.0	0.5	-0.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	0	973	0.0	11.7	-11.7	
3	765 kV	JHARSUGUDA-DURG	2	0	381	0.0	4.8	-4.8	
4	400 kV	JHARSUGUDA-RAIGARH	4	34	433	0.0	4.8	-4.8	
5	400 kV	RANCHI-SIPAT	2	60	333	0.0	3.4	-3.4	
6	220 kV	BUDHIPADAR-RAIGARH	1	13	104	0.0	1.1	-1.1	
7	220 kV	BUDHIPADAR-KORBA	2	120	0	1.7	0.0	1.7	
						ER-WR	1.7	26.2	-24.6
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	447	0.0	9.9	-9.9	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1991	0.0	43.4	-43.4	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2958	0.0	54.3	-54.3	
4	400 kV	TALCHER/JC	2	478	233	1.8	0.0	1.8	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	107.6	-107.6
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	371	0	4.2	0.0	4.2	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	518	0	7.4	0.0	7.4	
3	220 kV	ALIPURDUAR-SALAKATI	2	67	0	1.1	0.0	1.1	
						ER-NER	12.8	0.0	12.8
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALL-AGRA	2	471	0	11.6	0.0	11.6	
						NER-NR	11.6	0.0	11.6
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2026	0.0	40.3	-40.3	
2	HVDC	VINDHYACHAL B/B	-	0	152	0.0	2.4	-2.4	
3	HVDC	MUNDRU-MOHENDERGARH	2	0	128	0.0	3.1	-3.1	
4	765 kV	GWALIOR-AGRA	2	385	1654	0.5	15.8	-15.3	
5	765 kV	GWALIOR-PHAGI	2	0	2316	0.0	32.8	-32.8	
6	765 kV	JABALPUR-ORAI	2	0	889	0.0	19.5	-19.5	
7	765 kV	GWALIOR-ORAI	1	1066	0	17.9	0.0	17.9	
8	765 kV	SATNA-ORAI	1	0	935	0.0	17.1	-17.1	
9	765 kV	BANASKANTHA-CHITORGARH	2	2243	0	39.3	0.0	39.3	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2396	0.0	30.1	-30.1	
11	400 kV	ZERDA-KANKROLI	1	403	0	7.3	0.0	7.3	
12	400 kV	ZERDA-BHINMAL	1	552	0	7.6	0.0	7.6	
13	400 kV	VINDHYACHAL-RIHAND	1	488	0	10.9	0.0	10.9	
14	400 kV	RAPP-SHUJALPUR	2	473	435	2.5	1.9	0.7	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAR	1	0	30	2.3	2.3	0.0	
17	220 kV	MEHGAON-AURAIYA	1	145	0	1.4	0.0	1.4	
18	220 kV	MALANPUR-AURAIYA	1	100	0	3.7	0.0	3.7	
19	132 kV	GWALIOR-SAWALMADHOPUR	1	0	0	0.0	0.0	0.0	
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	93.5	163.1	-69.5
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	816	0.0	14.0	-14.0	
2	HVDC	RAIGARH-PUGALUR	2	0	2003	0.0	32.8	-32.8	
3	765 kV	SOLAPUR-RAICHUR	2	814	1543	1.3	14.0	-12.7	
4	765 kV	WARDHA-NIZAMABAD	2	0	2430	0.0	41.4	-41.4	
5	400 kV	KOLHAPUR-KUDGI	2	1498	0	21.4	0.0	21.4	
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0	
8	220 kV	XELDEM-AMBEWADI	1	0	74	1.3	0.0	1.3	
						WR-SR	24.1	102.1	-78.0

INTERNATIONAL EXCHANGES

Import(+ve)/Export(-ve)

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	164	0	12	0.3
	ER	400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW) 220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	0.0
	NER	132kV GELEPHU-SALAKATI	19	3	10	0.3
	NER	132kV MOTANGA-RANGIA	-11	7	-3	-0.1
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-77	0	-68	-1.6
NEPAL	ER	NEPAL IMPORT (FROM BIHAR)	-141	0	-90	-2.2
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-373	-91	-305	-7.3
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-746	-625	-734	-17.6
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-109	0	-97	-2.3